The Rationale of Illustone.

The latest number of Appleton's Interna-Monal Scientific Series bears the title of Illusions. and is an interesting contribution by Mr. JAMES Sully to the study of mental pathology. The author's field of inquiry covers all the phenomens of illusion observed in sonse-perception, in the introspection of the mind's own feelmemory, and in ballet. The author's conclusions are often illustrated by concrete example or anecdote, and his general treatment of the subject, while escentially scientific, is sufficiently clear and animated to attract the

general reader. Mr. Sully's definition of illusions is comprehensive and satisfactory. He would describe all knowledge as a correspondence of representation with fact, or experience, or as a stable condition of the representation which cannot be disturbed by new experiences. Illusion, as distinguished from correct knowledge, he would deflue as deviation of representition from fact. This is due partly to limitations and defects in the intellectual mechanism fiself, such as the imperfections of the activities of attention, discrimination, and comparison, or the delusive influences exerted by ill-grounded associations. Thus, a passive error of perception or of expectation may, in general, be ascribed to a defective grouping of elements which answers, perhaps, to the run of the individual's actual experience, but not to a large and complete common experience. So, too, an illusory general belief is a welding together of concepts in disagreement with the permanent connections of experience. Even a passive illusion of memory, in so far as it involves a rearrangement of successive representations, shows the same kind of defect. On the other hand, what Mr. Sully calls "active iliusions," under which term he classifies the excited perceptions and the nallucinations of sense, or the fanciful projections of memory or of expectation, are attributable not to defects in attention and discrimination, combined with insufficiently grounded association, but to the independent play of constructive imagination and the caprices of feeling, Active illusion, in other words, arises not through the imperfoctions of the intellectual mechanism, but through a palpable interference with this mechanism. It is a regrouping of elements, which simulates the form of a suggestion by experience, but is in reality the outcome of the individual mind's extra-intellectual impulses.

Having noted the definitions which constitute the ultimate results of the author's inquirles. let us glance at some of the facts and considerations adduced to justify them. Among the passive illusions of perception he distinguishes two kinds, those, namely, determined by the organism, and those determined by the environnent. It is known that the sensation does not niways suswer to the external stimutus in its degree or intensity. For example, when all objects are but feebly illuminated, we tend to magnify the differences of light among them-that is, to see them much more removed from one another in point of brightness than when they are more strongly illumined. Helmholtz relates that owing to this tendency he has occasionally caught himself on a dark night entertaining the Huston that the comparatively bright objects visible in twilight, such as a white stone, were self-luminous. Again, two impressions are frequently confused when the sensory fibres involved are very near one another. To take the points of two legs of a pair of compasses for one point is clearly an illusion of perception. Many persone have also noticed that very cold and smooth surfaces, like those of metal, often appear to be wet. Helmholtz explains the phecomenon by saving that the feeling which we call by the name of wetness is a compound seneation, consisting of one of temperature and one of touch proper. Hence, when the par-ticular conjunction of sensations arises, apart from the external fact of wetness, we errone ously infer the presence of a sold liquid. The perception of lustre as a single quality seems to Illustrate a like error. There is good reason to suppose that this impression arises through a difference of brightness in the two retinal images, and so, when this inequality of retinal effort is imitated, as it may easily be by combining a black and a white surface in a stereoscope, we imagine that we are looking at one lustrous surface. The nost interesting case of illusion connected with the fusion of simultaneous sensations is that of single vision, or the deeply organized habit of combining the sensations of what are called the corresponding points of the two retinus. In the case of looking at solid objects it is demonstrable that the forces acting on the two retinas are not perfectly similar. Nevertheless, the contescence of the sensations answers to the fact that these external agencies usually arise in one and the same object, and this unit; of the object is, of course, the all-important thing to be sure of. We scarcely need remind the reader that it is a law of sensory stimulation for an impression to persist during an appreciable time after the cessation of the action of the stim due. Thus, after taking the bandane from a fluger, the tingling and other sensations due to the pressure may continue for a certain period, in which case they easily give rise to the illusion that the finger is still bound. There to an opposite but equally familiar limit to sensibility. It is a law of nervous stimulation that a continued setivity of any structure results in less and less psychic effect. Thus, a constant poise, as of a mill, ceases finally to produce any conscious sensation, a fact which may readily become the commencement of an illuston.

It is a matter of common experience that the localization of a sense impression, both within and without the organism, may be altogether filmsory. Thus the stimulation of the nerve running to the hand and fingers, by a sharp blow on the elbow over which it passes, gives rise to a sense of pain at the extremities of the nerve. It is well known that a man who has lost a leg refers all sensations arising from a stimulation of the truncated fibres to his lost foot, and sometimes has to convince himself of the non-existence of his lost member by sight or touch. "If," said one of Dr. Weir Mitchell's patients, "I should say I am more sure of the leg which ain't than the one which air, I guess I should be about correct." Again, the feeling of something creeping over the skin is an hallucination. In the sense that it implies the idea of an object external to the skin. Of a similar kind are the hallucinations observed in sufferers from alchoholism, where ocular impressions due to retinal disturbance are projected into the external field of vision. What curious blunders may result from the deeply rooted habit of making subjective sensation the measure of objective quality is, perhaps, best illustrated by the well-known experiment of first plunging one hand in cold water, the other in hot, and then dipping them both in toold water, for here we are strongly disposed to accept the palpable contradiction that the same water is at once warm and cool. In the varieties of perceptive illusions just

considered, the circumstance that gives the peculiarity to the case thus wrongly interpreted has been referred to the organism. In another chapter the author considers those attributable to the environment, and among these may be cited the familiar example of a man crunching a hard biscuit, who has an uncomfortable feel ing that the noise, as of all the structures of his head tieing violently smasked, is heard with equal intensity by other cars. Again, an illugive perception of the unity of an object is illutrated by the experiment of crossing two fingers. cay the third and fourth, and placing a markle between them. Under ordinary circumstances the outer surfaces of the two singers can only be asted on simultaneously by two objects objects in this exceptional instance. Other familiar, examples of illusions due to cirpamatanees altogether exterior to the sease bruan are furnished by the plant mena of the refraction of limit and the reflation of hight

denser medium. Similarly, an echo always sounds as if it came from some object in the direction in which the air waves finally travel to the ear, though we know that these undulations have taken a circultous course. The almost irresistible tendency to mistake the direction of the visible or audible object in such cases has from remote ages been made use of as a means of popular delusion. The throwing of images formed by concave mirrors upon smoke or against fire, so as to make them more distinct, seems to have been a favorite device in the

ancient art of pecromancy. The natitual interpretation of the flat surface in pictorial art, so as to give the effect of objects in relief or having depth, is at once unlerstood when we recall the myriads of instances in our daily experience where the effect of such flat representations answers to solid receding forms. In the case of all distant objects we have to interpret solidity and relations of nearer and further by such signs as linear perspective and cast shadow. Indeed, it is only in the artificial life of indoors, on our picture covered walls, that we ever experience such effects without discovering corresponding realities. Hence a deeply organized habit of taking those impressions, as answering to the solid. and not to the flat, and hence the means of perfect imitation and delusion possessed by pictorial art. In connection with this topic Mr. Sully mentions the well-known fact that the eye in a portrait seems to follow the spectator, or that a pictured gun, with its muzz's pointing straight outward, appears to turn as the spectator moves. According to Sir D. Brewster, these examples of pictorial illusion depend upon the fact that a painting, being a flat projection only, and not a solid, continues to present the front view of an object which it represents wherever the spectator happens to stand. Were the eye of the portrait a real eye, a side movement of the mediator would obviously cause him to see less of the pupil, and more of the side of the eyeball. Aware of this, and instinctively regarding the eye of the picture as a real eye, having relief, we infer from our continuing to see the full pupil that it must follow us as we move.

The errors committed in recognizing objects are nowhere so strikingly exhibited as in the most familiar effects of pictorial art. Thus, a picture of Meissonier may give the eye a representation of a scene in which the human figures and horses have a distinctness that belongs to near objects, but an apparent magnitude that belongs to distant objects. So again it is found that the degree of luminosity or brightness of a pictorial representation differs n general enormously from that of the actual things portrayed. Thus, seconding to the calculations of Helmholtz, a picture representing a Bedouin's white raiment in blinding sunshine will, when seen in a fairly lighted gallery, have a degree of luminosity reaching only to about one-thirtieth of that of the actual object. On the other hand, a painting representing marble ruins gleaming in the moonlight will, under he same conditions of callery illumination, have luminosity amounting to as much as from en to twenty thousand times that of the object. Yet the appetator does not notice these stupendous discrepancies. The representation, in spite of its vast difference, at once carries the mind on to the actuality, and the spectator may even appear to himself, in moments of complete absorption, to be looking at the real scene. Sensation is overpowered by suggestion.

Among the active illusions of the perceptive aculty. Mr. Sully dwells particularly on the effects of vivid expectation. Illustrations of this phenomenon occur daily. If we happen, for instance, to have heard that a particular person has been a soldier, or clergyman, we tend to see the marks of the class in this person, though we may discover in the end that the process of recognition is altogether illusery. Again, if we expect a friend to arrive by a particular train, and a passenger bearing a superficial resemblance to him steps out of the cars, we are very likely to fall into the error of false identification. When the degree of expectation is unusually great, it may suffice to produce something like the counterfeit of a real sensation. Thus, if we are watching a train off. and know from all the signs that it is just about to start, we may easily delude ourselves into the conviction that it has begun to move. A similar effect is seen in such common experiences as that the sight of food makes the mouth of a hungry man water, the appearance of a surgical instrument produces a pascent sensation of pain, or a threatening movement, giving a vivid and involuntary processes of association. Mr. nticipation of tickling, begets a feeling which closely approximates to the result of actual titiliation. A striking instance of imagined sensations is given by Dr. Carpenter. An officer who superintended the exhuming of a coffin, rendered necessary through a suspicion of crime, declared that he already experienced the odor of decomposition, though it was afterward found that the coffin was empty.

It is plain that, in these cases, illusion ap-

proaches to hallucination, but the immediately present environment still cooperates to an important extent with the illusory expectation. On the other hand, the share of the sensory perception is very alight in the grosser illusions of the insane. Thus when a sufferer from cerebral disorder takes any small objects, as pebbles, for gold and silver, under the influence of the notion that he is a millionaire, it is obvious that external suggestion has very little to do with the self-deception. In normal life, perfect hallusinations, that is to say, illusions in which external suggestions have had no share, are comparatively infrequent. They are occasionally met with in the lives of eminent men; but here it is probable that intense intellectual coacentration had occasioned inciplent nervous disorder. Malebranche is said to have heard the voice of God calling him. Descartes says that, after a long confinement, he was followed by an invisible nerson summoning him to pursue his search for truth. Dr. Johnson narrates that he once heard his absent mother calling him. Byron tells us that he was sometimes visited by spectres. Goethe records that he once saw an exact counterpart of himself coming toward him. Sir Walter Scott is alleged to have seen a phantom of the dead Byron. When not brought on by exhaustion or artificial means, the hallucinations of the sane have their origin in a preternatural power of the imagination. It is well known that this faculty can be greatly improved by attention and cultivation. Goethe used to occupy himself in watching for ocular spectra, and could at will transform the subjective sensations into definite forms, such as flowers. Stories are told of portrait painters who have been able to summen visual images of their sitters with a vividness equal to that of reality, and serving all the purposes of their art. Mr. Galton's researches into the power of "visualizing" seem to prove that many people can, at will, sport on the confines of the phantom world of hallucination. As to the hallucinations of the insane, it is a matter of common observation that they seldom depend on sense disturbances alone. Though here are sometimes the starting point, it is the whole mental complexion of the moment which gives the direction to the imagination. The running about during a fit of delirium bremens well illustrates the cooperation of visual impressions not usually attended to, and possibly magnified by the more state of sensibility at the time (in this case the actual visual impressions are flying spots, mused voldenles) with emotional

conditions. Dreams are commonly classified with hallufinations, because they are for the most part the creasumblance of percepts in the absence of external impressions. But recent research goes to show that in many dreams something answering to the sensory impulse in waking perception is the starting point. The author having convex surfaces. Consequently we proper and hallucinations. Few people are the mind is able to travel back over a caunot help feeting the presence of two asserts a series of experiand sound. Thus a stick half immersed in fibres and of affecting consciousness. Krauss intervals between the stroken of a pentulum of water a wars buts broken, however well we tells a story of his having once caught bimself a metronome, that when the interval in a very mer and a tent to appearance is due to the on waking in the not of stretching out his arms | small one we uniformly tend to example at it

the image of hie mistress. When fully awake this image resolved itself into the full moon. Radestock deems it not improbable that the rays of the sun or moon are answerable for many of the dreams of celestial glory which persons of a highly religious temperament are said to experience. External sounds, too, although quite insufficient to rouse a sleeper, may easily incorporate themselves into his dreams. M. Alford Maury tells us that when a pair of tweezers was made to vibrate near his ear, he dreamed of bells, the toesin, and the events of June, 1848. Scherner gives an account of a youth who was permitted to whisper his name into the ear of his obsurate mistress. the consequence of which was that the lady contracted a habit of dreaming about him, which led to a felicitous change of teeling on her part. The contact of objects with the tastual organ one of the best recognized causes of dreams. M. Maury found that when his lips were tickled his dream fancy interpreted the impression as of a pitch plaster being tern off his face. An unusual pressure on any part of the body, as, for example, from contact with a fellow sleeper, is known to give rise to a well-marked variety of dream, Our own limbs may even appear as foreign bodies to our dream imagination when, through pressure, they become parily paralyzed. On the other hand, the senses of smell and taste seem to play an important part in the production of dream litusions. Radestock says that the odor of flowers in a room leads to visual images of hothouses, perfumery shops, &c., and, as a rule, these lower sensations do not make known their quality to the sleeper's mind. They become transformed into visual,

instead of olfactory or gustatory, perceptions.

have laid great stress on the part taken by sub-

Johannes Müller, Alfred Maury, and others

jective stimuli, and especially ocular spectra, in the production of dreams. The light patches and mists of light manifested when the eyes are closed, and due to changes of blood pressure in the retina, are quite certainly the starting point of these picturesque dreams, in which flaure a number of bright objects, such as beautiful birds, butterflies, flowers, or angels. That the visual images of our sleep do often involve subjective sensations of the organ of sight seems to be proved by the singular fact that they sometimes persist after waking. Spinoza and Joan Paul Richter both experienced this survival of dream images. Equally pertinent is the fact that the effects of retinal fatigue are produceable by dream images. The physiciogist Gruithuisen had a dream in which the principal feature was a violet flame, and which left behind it, after waking for an appreciable duration. a complementary image of a yellow spot. Subjective auditory sensations seem to be much less frequent causes of dream illusions, yet the rushing, rosning sound caused by the circulation of the blood in the ear is probably a not uncommon source of dreams. With respect to subjective sensations of smell and taste there is little to be said. But variations in the state of tension of the skin, brought about by alteration of position, changes in the character of the circulation, the irradiation of heat to the skin, or the loss of calerie to the same, give rise to a number of familiar sensations which are distinctly traceable in dreams For example, the exposure of a part of the body through a loss of the bedelothes is a frequeut excitant of distressing dreams. A cold foot suggests that the sleeper is walking over snow or ice. On the other hand, if the cold foot happens to touch a warm part of his own or an ther's body, the dream fancy constructs images of walking on burning lava or a flery furnace. These sensations of the skin naturally conduct our author to the organic sensations as a whole, that is to eay, the feelings which arise in connection with the processes of direction, respiration, and circulation. During our waking life these organic feelings coalesce, for the most part, forming as the "vital sense" an obscure background for our clear discriminative consciousness. But when we are asleep, and the avenues of external perception are closed, they assume greater prominence and distinctness. So important a part, indeed, do these organio feelings take in the dream drama that some writers, including Schopenhauer, have been disposed to regard them as the main, if not the exclusive, cause of

dreams. The degree of natural coherence and rational order which some of our dreams possess is commonly accounted for by the purely passive Sully, however, considers it an erronsous supposition that when we are dreaming there is a complete suspension of the voluntary powers. and, consequently, an absence of all direction of the intellectual processes. This supposition. which has been maintained by Dugald Stewart and many others, seems to be based on the fact that we frequently find ourselves in dreams striving in vain to move the whole body, or a limb. But this only shows, as Maury and Volkelt have pointed out, that our volitions are frustrated through the inertia of our bodily organs, not that these volitions do not take place. An exercise of the will is unmistakably attested in the well-known instances of extraordinary intellectual achievements in dreams, such as Condiliac's composition of a part of his " Cours d'Etude." No one would maintain that a result of this kind was possible in the total absence of intellectual action carefully directed by the will.

The general inference from Mr. Sully's serutiny of dream life is that the structure of our dreams, equally with the fact of their completely illusory character, demonstrates that during sleep, just as in the moments of illusion in waking life, there is, on the whole, a marked deterioration of our intellectual energies. The highest interlectual activities answering to the least stable pervous connections are, as a rule, impeded, and what of intellect remains corresponds to the most deeply organized connections in the nerve substance of the brain. In this way our dream life touches that childish condition of our intelligence which marks the decadence of old age and the encroachments of mental disease. The parallelism between dreams and insanity has been pointed out by most writers on the subject. Kant observed that the madman is the dreamer awake, and more recently Wundt has remarked that when asleep we can experience nearly all the phenomena which meet us in lunatic asylums. The grotes queness of the combinations, and the lack of all judgment as to consistency, fitness, and probability, are common characteristics of the short night dream of the healthy and the long day dream of the insane.

Two of the most interesting chapters in this volume are these which deal with the illustors of memory and of belief. The faculty of reminiscence, indispensable though it is, can lay no claim to the absolute infallibility which is sometimes said to belong to it. Our individual recollection left to itself is liable to a number of illusions even with regard to not very distant events, and in the case of remote ones it may be said to err habitually in a greater or less degree. To speak plainly, we can never be certain on the ground of our personal recollection nlone that a distant event happened exactly in the way or at the time that we suppose. Nor does there seem to be any simple way of determining by mere reflection on the contents of our memory what kinds of recollection are likely to be illusory. The illusions of memory may be simply transformations of actual events or the reproductions of complete imaginative creations. To the former class belong errors of mnemonic perspective, where we have a mistaken notion as to the remoteness of an event; errors of localization, where we connect a past event with a wrong environment; and distortions of memory which, according to the analogy of visual errors, may be sacribed to a kind of atmospheric illusion. There would accordingly divides dreams into lilusions" seem, at first sight, no room for error when

as less than it actually was. Moreover, just as the apparent distance of a visible object de-pends, other things being equal, on the distinctness of the retinal impression, so the apparent temporal remoteness of a past event depends in part on the degree of intensity and clearness of the mnemonia image. A series of exciting experiences intervening between the present and a past event tends not only directly to add to our sense of distance by constituting an apparently long interval, but indirectly to add to it by giving an unusual degree of faintness to the recalled image.

There is no doubt that the transformation undergone by the past in memory does often closely correspond with the metamorphosis of a visible object affected by intervening media. Our minds are such refracting media, and the Our minds are such refracting media, and the past reappears to us, not as it actually was when it was closs to us, but in numerous ways altered and disguised by the intervening spaces of our conscious experience. Not only is what we call conscious experience. Not only is what we call recollection a process of softening reality, but, as a rule, our memories restore to us but fragments of our past life. When revisiting a place that we had not seen for many years, we are apt to find that our recollection of it consisted only of some insignificant details, which arranged themselves in our minds into something oddly unlike the natural scene. Our idea of env stage of our past history, as of our early childhood, is built up out of a few fragmentary intellectual relies, which cannot be certainly known to answer to the most important and predominant experiences of the time. When, for example, we try to decide whether our school days were our happlest days, as is so often alleged, it is obvious that we are liable to fail into filusion through the inadequacy of memory to preserve characteristic or typical features, and mone but those. Posides the impossibility of gotting at the average and prevailing mental tone of a distant section of life. there is a special difficulty in determining the legree of happiness of the past, arising from the fact that our memory for pleasures and for pains may not be equally good. Most people, perhaps, can recall the enjoyments of the past much more vividly than the sufferings. On the other hand, there seem to be some who find the retention of the latter the easier of the two. This latter fact should not be forgotten in reading the narrative of early hardships which the fragment of an autobiography prepared by

Carlyle has given us. Not only does our recollection of the past become inexact by the mere decay and disappear ance of essential features, but it becomes positively incorrect through the gradual incorporation of elements that do not properly belong to it. When the imagination supplies a mistaken interpretation at the very time of the experionce, and the mind reads this into the perceived object, the error is eno of perception. But when the addition is made alterward, upon reflecting on the perception, the error is one of memory. The "fallacies of testimony," which depend on an adulteration of pure observation with inference and conjecture, as, for example, the inaccurate and wild statements of people respecting their experiences at spiritualist sequees, are probably much frener tilusions of memory than of perception Of course, in trying to reconstruct the remote past, we are continually in danger of importing our present selves into the picture. The kind of mnemonic ileasion which thus depends on the apontaneous setivity of present immaination is strikingly blustrated in the cortous cases of mistaken identity with which the proceedings of the law courts supply us. When a witness in good faith, but erroneously, affirms that a man is the same as an old acquaintance of his, we may feel sure that there is some striking point of similarity between the two persons; but what helps, in this case, to produce the illusion is the preconception that the present man is the witness's old friend.

Among the pure ballucinations of memory may be cited the instances in which dream experience leads us into illusory recollection. It is sometimes very hard to shake off the impression left by a vivid dream, as, for example, that a dead friend has returned to life. During the day that follows the dream we have at intermittent moments something like an assurance that we have seen our lost friend, and for a considerable period it may tend to revive within us with a strange pertinacity. Mr. Sully deems it highly probable that our dreams are to a large extent answerable for the sense of familiarity that we sometimes experience in visiting a new best authorities aver, we are, when asieep, alcan be explained in this way has been proved by Paul Radsetock, who was in the habit of keeping an exact record of his dreams, Mr. Sully suggests another possible source for certain perplexing spectra of memory. May it not happen, he asks, that by the law of hereditary transmission, which is now being applied to mental as well as bodily phenomena, appearful experiences will now and then reflect themselves in our mental life, and so give rise to upparently personal resolications? When the inant first stead on his eyes on a human face, it may, for aught we know, experience a feeting akin to that described above, when, through a survival of dream tancy, we take some new scene to be already familiar. In our present state of huowiedge, however, any reasoning on this supposition would probably appear too fanciful. But if in the course of future investigation it should be found that a child doscended from a line of scafaring ancestors, but which had never itself seen or heard of the dark-gleaming sea, manifested a feeling of recognition when first beholding it, we might be pretty sure that such a thir z as recollection

of prenatal events does take place. If it be true that so much uncertainty and self-deception enters into the processes of memory, how then, it may be asked, can we ever be sure that we are faithfully recalling the netual events of the past? Given a fairly good, that is, a cultivated memory, it may be said that, in the case of very recent events, a man may feel certain that when the conditions of careful attention at the time to what really happened were present a distinct recollection is autstantially correct. Mr. Sully concedes, too, that with respect to all repeated experiences our memories afford practically safe guides. On the other hand, when an event is not repeated in our experience, but forms a unique link in our personal history, the chances of error increase with the distance of the event, and here the best of us will do well to have resort to a process of verification. When there is no unerring objective record to be found, we may recur to the less satisfactory method of comparing our recollections with those of others. But even thus we cannot be sure of eliminating all error, since there may be a cause of illusion acting on all our minds alike, as, for example, the extra ordinary nature of the occurrence, which would pretty certainly lead to a common exaggeration of its magnitude, if not to a mistake as to its character, and since, moreover, this process of comparing recollections affords an opportunity for reading back a present preconception into the past.

Under the head of illusions of belief, Mr. Sully discusses ill-grounded expactations and mistakes in self-appreciation, as well as eroneous beliefs in past facts not guaranteed by memory. It has long been recognized, by writers on psychology, that to distinctly imagine an event or object is to feel for the moment a degree of belief in the corresponding reality. It is, of course, our ruling aspirations which most commonly and permanently assume the fluenced by st. mult acting on the exterior sense | ences to a defluitely apprehended point. | form of an illusory prevision of a persona experience. In minds undisciplined by scientific organs. During sleep, for instance, the eres are closed; yet it is found that even under these circumstances any very bright light suddenly introduced is capable of stimulating the optic fibres and of affecting consciousness. Krauss tells a story of his having once caught himself on waking in the set of stretching out his same and the set of stretching of stretching out his same and the set of stretching of stretching out his same and the set of stretching of stretching of stretching of stretching of stretching of stret bending of the take of our extering a 'toward what his dream langy had pictured as I in retrespection; when a large one, to regard it I in the case of our exery-day convictions.

concerning real objects, these sources con-tribute a considerable quots of error. Thus our prevailing views respecting any section of mankind, say our fellow countrymen, of manof reasoning. The accidents of process of reasoning. The accounties of ob-personal experience and opportunities of ob-personal experience and opportunities of ob-servation, the traditions which colored our first technique. personal experience and opportunities are value, the indicates which colored our first ideas, the influence of our dominant feelings in selecting for attention certain aspects of the complex object, and in idealizing this object—these sources of passive and active flusion must, to say the least have had as much to do will our present solidited and senningly intuitive knowledge as anything that can be united to the contract of individual indigners and unive knowledge as anything that can be called the exercise of individual judgment and reasoning power. Mr. Sully shows us. Heatly, how illusion near cuter into that still wider collection of beliefs which take up our crimary views of life and the world as a whole. In these views are nirrored in the plainest manner the forthitous occurrences of our individual experience, and personal continuity, so conversely our inner experience, our remembered or imagined jovs and sorrows, throw a reflection on the outer world, giving it its degree of worth. Hence the centralitetery, and consequently to some extent flusory, notions of the ordinist and the pessimist, whose so-called multimas are concated with despity ropical nation of feeling, and

Rémusat, like every one else connected with the taln place. court, was perfectly aware that her epistles would pass under the eye of Fouchd or Savary before they would be permitted to reach the person addressed. She governed her pen accordingly, and it is only here and there that her secret opinion of the Bonapartes is revealed by an artful phrase, or a suggestive reticence.

The earnest and even passionate affection Mme, de Rémusat testifies for her husband in these letters will appear very striking to those familiar with the manners of the time, and who contrast the fidelity of her attachment with the undisguised indifference which frequently marked the conjugal relations of her contemporaries. Her heart was bound up in her husband's welfare and advancement. and she proved herself a vigilant and dexterous guardian of his interests. When he is absent she refrains as far as possible from worrying shim about the details of family or pecuniary affaire, although she cannot alwars avoid alluding to the embarrassment in which she, like ofter laddes-in-waiting, not seldom found herself. The salaries of the court officials were poid with an irregularity and delay almost incredible, and the alternations between splendor and poverty in which distinguished personages of the imperial household present their lives are vividit depicted in these latters. On one occasion the writer tells her husband that her means were no straightened the belongings in order to pay for her court officials the city of Paris, and bank payments were interesting to the latter mouths of the same present household in the city of Paris, and bank payments were interesting to the latter mouths of the same press, bank notes for a thousand france were worth only ninety france, and some shortwarths with the latter mouths of the same press, and bank payments were interesting to the latter mouths of the same press, and bank payments were interest, and bank payments were interesting to the latter mouths of the same press, bank notes for a thousand france were worth only ninety france, and some shortwarths who little enthusians could be accurated. All it is notes with the city of Paris, and bank payments were interesting the contract, the author has allowed the latter mouths of the same press, bank notes for a thousand france were worth only ninety france, and some shortwarths with the city of Paris, and bank payments were interesting to the collective title. The Life Worth Living Paris, and bank payments were interesting to the collective title. The title worth who will be enthusiant could be accurately and the strain of the book to the payments were interested and gratified by striking and original thoughts expressed in a felicitous and playments. At each of the latter mouths of the same pressure would not take them at all. It is note-worthy to be for the collective title. The title worth who will be accurately and the proposed to design the propos him about the details of family or pecuniary cespers would not take them at all. It is noteworthy how little enthusiasm could be aroused in the French capital by the victories which assured such unity of action and of feeling in the army. It would seem from these letters that the Parisians never thoroughly believed in Napoleon, and that he, conscious of the fact, spent as little time as possible among them, and frequently contemplated a permanent removal

of the court to other quarters. In one of her most interesting epistics Mose. de Rémusat gives her husband an account of the manner in which the court received the news of the battle of Austerlitz. They had been expecting the conclusion of peace and the return of the Emperor, but for eight days they had heard nothing. On the evening of Dec. 10, locality or seeing a new face. It, as some of the 1805. Princess Louis (Hortense Beauharnais) sent in haste for Mme. de Rémusat. The latter found the Princess quite agitated, weeping and | attached to him, and to be himself in as we know, dreaming is a continual process of laughing by turns. "He commanded in per-

aded my efforts, understanding my intentions, an iscema i grateful to me in the midst of her 'It seems to me cometimes,' said the Empress, 'that I am dead, and that there remains to me only a sort of vacue conactourness that I am no longer living." " withstanding the disinterested attempt of the Queen of Holland to dissunds her, Mme, de-Hemusat persisted in adhering to the broken fortupes of Josephine, and in renouncing the advantages which would be attached to the service of the Empress Marie Louise. She attended osephine in her retirement in the south of France, and it appears that the ex-Empress. thanks to her happy temperament, after a time

much we suffer in being parted.' I did not say this. I restrained myself; but the tears came into my eyes, and I talked, I know not what

nonsense, to escape from my thoughts." After Louis Bonaparte had broken with his wife in July, 1810, the latter joined her mother in her south of France. "The Queen," says Mme. de Remusat, "has arrived. She is thin, pale, downhearted, and always ready to cry, without exactly knowing why." Eisawhers the writer expresses the same favorable opinion of Joseexpresses the same favorable opinion of Josephine's daughter, which constitutes such a neteworthy feature of her memoirs, and which is so distinctly opposed to the current impression. "I cannot tell you," says our author, "how charmine I think the Queen. Hers is really an angelic disposition, and sho is quite a different creatura from what she is generally supposed, Mr. Frizzol, who had come here with an unfavorable impression of her, is quite fascinated. She is so true, so pure minded, so isnorant of evil, there is so sweet a melancholy about her and so great a resignation as to what

ignorant of evil, there is so sweet a melancholy about her and so great a resignation as to what the future may bring forth, that it is impossible not to feel very strongly for her."

There are but few letters in this collection which bear date during the years 1813 and 1814, and none of them contain allusions to important public events. One of them is worth quoting, however, for the attempt to explain the admirable liveliness so framently observed. the admirable liveliness so frequently observed in the epistolary compositions of women.

There is some truth, she says in a letter to with a composition of the comp pessimist, whose so-called intuitions are connected with deeply rooted habits of feeling, and are antecedent to all reasoned philosophic systems.

Madame De Remusat's Letters.

The letters of Mme. de Rémusat, written to her husband and son during the period from 1804 to 1813, have been translated into English by Mrs. Cashell Hory and Mr. John Lille, and are now published by the Harpers. They will be found curious and interesting for the light they east on the writer's personality, and on the imperial court, but we cannot reasonably expect them to add anything to the piquant disclosures relating to Napoleon I, and his immediate family, which were contained in the same author's memoirs. Mme. de Rémusat, like every one else connected with the ty except in countries where they hold a cer-

Whatever else may be said of A Romance of the Nineteenth Century, by W. H. MALLOCK, (Putnams), no one who takes it up will lay it down without finishing it. Notwithstanding what can be urged on more grounds than one in depreciation of the story, very few books of the year can vie with it in fascination. As might have been expected from the first venture of an essayist in the field of novel writing, there is too much talk and too little action. Not only. too, is the construction clumsy and the movement of the tale wanting in briskness and continuity, but some of the incidents and situations are unpleasant, not to say repulsive. The author makes scarcely an attempt at characterization in the case of the minor personages of his drama; they are all lay figures without individuality, although one of them,

book as it was in the former volume. Take, for instance, this excerpt from the sketch of the hero's character, wherein it is alleged, in some quarters, the author was portraying himself. There is a neat and characteristic turn in the final sentence: "It was supposed," we are told. "that Ralph Vernon had trifled with the affections of numerous women; it was supposed that he had wasted any amount of talent; it was supposed that from knowledge, or want of knowledge, he was without any kind o Christianity, and that, from want of earnestness, he was quite unmoved by its substitutes; he was supposed to have many friends warmly as we know, dreaming is a continual process of transformation of our waking impressions in new combinations, it is not surprising that our dreams should sometimes take the form of forecasts of our waking life, and that consequently objects and scenes never before winessed should occasionately wear a familiar look. That some instances of this puzzling sense of familiarity can be explained in this way has been proved. of any warm attachment. This marked want which rive of no, was, at all events, no grounders; and there was many a mother in the next day to the same vetery, she says:

"The French are rainer like warmen, cased and of a return the final critical and impact of the same vetery, she says:

"The French are rainer like warmen, cased and in return the final critical and impact of the same vetery of t

descending from the chancery bench and devoting nimself with arder to the production of The Indians of the United States—at least those of the Control of the comprehensive tasts and primitive stripe of the comprehensive tasts and remarkable industry of Judge J. F. Simmons of Massissippi. His Muse can be dignified, yet does not lack the power to be sportive upon proper occasion. His verses are never the forced product of uncongenial labor; every line is evidently inspired by instination and genuine fondness for the beautiful art which he has chosen to pursue. The extent of his resources is seen in the variety of his work. We have poems elegiac, particle, paredic, and devout; melo flous verse is to make a discovery not less Not- have evidence of the comprehensive taste and

CANONCHET

A Visit to the Home of Ex-Gov. Spragne From the Philadelphia Pres.

NARRAGANSETT HEIGHTS, Aug. 15. Not the least interesting object of view from the pirzzas of Tower Hill House is Canonchel, a mile north of Narragansett Pier, reached by a winding readway. This orchard-embuwered winding roadway. This orenard on chateau which bears the name of a ne of the Narragansetts, is the home of of the Narragansetts, is the home of ca-Gov. Sprague. The cetate was originally the home of Gov. Atword Bediason, and outraced from two to three thousand agree—t was a panntation, in fact, in Brucke Island's slave, holding days. An old graveyard beloating to the Robinson family lies not far distant from the house. Gov. Sprague bought to old Gubernatorial mansion, a kambrel-rooted larmhouse, specious for these colonial days, and two hundred, mostly sail warsh, were substantially aided at a cost of \$25,000, and as a lies. two hundred, mostly end a rish, were subsequently added at a cost of \$25,000, and gave Mrs. Sprague carte blanche to remodel and relating with the original dwelling, with the later of the state of the gles and turrets and verandas, the limit original house being outlined to a care gles and turrets and verantias, the limit of the original house being outlined to according to server, but surmounted and surrounded by and almost bewideringly lost in a labyrinth of satisfy architectural fancies. Our carring allowed at the main or south entrance, where a arring of lyy leaves runs around the massive darkay under the porte confere, and our coachinaness sayed to ring the bell. There was no repose, and we drove to another elegant doorway at the eastern wide. A man at a neighboring burn on the estate shouted. No one is allowed to go in-side, the house?" but simultaneously a disney. elled woman servant put her head out of a rear window and said. "Come around this war." She received our card through the window, saying that Mr. Sprague was engaged with com-pany up stairs, but she would hand it to him.

THE EX-GOVERNOR.

THE EX-GOVERNOR.

In a few minutes she readpeared and inshered us in by a door on the north side of the mansion, the bornyard side, leading lots the servants dining room, saying that Mr. Sprague would receive us in the library. Theher wa followed her, and he sconcame in. Mr. Sprague looks somewhat fleshier than of old; his black hair is still abundant, and his eyes the fluest feature of his face, seem to read your theught of once and to desire no subtorfuges or disquises. He wore a comfortable dark clath sheeting jacket, with no yest, fine linen, well invalided, with low-turned collar, and holiand trongers of light buff gray. He stocks freely of his old life in the Senate from 1822 to 1814, of war time, and the days of reconstruction, and inchlentally of Mrs. Surague from time to time, as evidences of her taste were displayed in the construction and ornamentation of the various rooms. We asked him of his son, and he said: "Hai's Willie new, firing off that gun outside. He is manifesting himself." He is 16 years old, a fine boy, and the father's eyes kindled with pleasure in speaking of him, and again in leading us through. The nursery part of the bones," as he expressed it, where he said he made his quarters now. Here, in a beautiful chamber that was evidency a children's discussed play room, broken lors were still strewn over the shelves of the eatinet, and a large shill in a pink dress, with broken leg and aria, dominated the situation.

We do not propose to disclose the plot of the story, which, indeed, will hardly bear telling in concise, plain terms, but a few citations will demonstrate that the author's diction, at all events, is as graceful and agreeable in this books, it was it was in the former reliable for the first that the number of the former reliable for the first that the number of the former reliable for the first that the number of the former reliable for the first that the number of the former reliable for the former reliable for the first that the number of the former reliable for the former reliable for the former reliable for the first that the number of the former reliable for the fo

with a pillared annex on either side communicating with the main room by large sliding
doors. A shotgun lay nonchanally on the
mantelpiece of this room.

The bouse is semi-jurnished; the library
shelves are nearly desuded; some furniture
appears to be boxed in the nails for removal,
and some, our host exhained, was now in the
Providence home. As old Venetian armotro of
massive beauty, and other articles to match,
stand in one apartment. Whatever furniture
there is is very handsome. The house is a Chinese puzzle in design. I asked its owner how
many rooms there were. He said, hall aughingly, he did not know, he had never counted
them, but referred me to the ground and cleanber plans, hanging respectively on each floor.
There were about sixty rooms indicated, more
or less, including the bath rooms, which are or less, including the bath rooms, whilars and sumptions. There is beaufiting of walnut, our, and other native wover the house, and the sink in the kitch

Beaver Buntley in the Northwest.

From the Landon Earl & The Indians of the United States of least France, and it appears that the ex-limpress, thanks to her happy temperament after a time recovered the serenity of her mind. "We often," says lime, de Rémusar, writing a year or two after the divince. "speak of the Emperor; she likes to take of him, and to persuada herself that he still carse for her, and she does this with the most admirable tact and moderation shows the time state of him, and to persuada herself that he still carse for her, and she does the worthine, stanzas that discuss the awing the within amount of the trade of the state o